



TECHNIQUE

No 86-24

SILVICULTURE STATISTICS CROWN LANDS 1984-85

(LICENSEE SUMMARIES)

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"Silviculture Statistics" is compiled annually by the Timber Management Branch of the New Brunswick Department of Forests, Mines and Energy. Its purpose is to inform Departmental Staff and interested agencies of silviculture activities. Detailed records on each project are maintained at the Forest Region Headquarters with duplicate copies filed at the Timber Management Branch. Prior to 1982 the Department of Natural Resources carried out all Silviculture Activities on Crown Land. Under the revised Crown Lands and Forests Act in 1982 this responsibility was transferred to the Licensees.

The three provincial forest nurseries produced 29.6 million coniferous seedlings. Of this total 28.1 million were shipped for planting on 12,102 hectares of Crown Land and the remaining 1.5 million were shipped to private landowners for reforestation or for Christmas Tree Stock.

Experimental plantations have been included in the total area planted but the costs of these plantations have not.

Pre-commercial thinning was carried out on 3,053 hectares of naturally regenerated burns and cutovers. In plantation tending, herbicides were used to control undesirable deciduous species on 9,946 hectares and on an additional 11 hectares herbiciding was used for site preparation. Herbiciding was also utilized on 22 hectares for natural release of wild stands.

The cone collection program accounted for 72,640 litres of cones.

The following statistics pertain to these silviculture activities on Crown Land in New Brunswick during the 1984-85 year.

PROVINCIAL SUMMARIES
TABLE 1 - PLANTING

LICENSEE	AREA (ha)	AVERAGE COST PER HECTARE	REIMBURSEMENT TO LICENSEE+	AVERAGE NO. OF SEEDLINGS/ HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)
Upsalquitch	1 143	296	338 225	2 299	2 628 000
Nepisiguit	1 342	301	404 001	2 206	2 960 000
Lower Miramichi	1 201 ¹	303	363 147	2 193	2 629 000
Upper Miramichi	2 231	295	658 243	2 128	4 747 000
Kent	155	303	46 965	2 329	361 000
Queens-Charlotte	2 019	332	670 672	2 117	4 274 000
Fundy	1 191	332	395 612	2 190	2 608 000
York	709	336	238 286	2 143	1 520 000
Carleton	562	335	188 400	2 142	1 204 000
Restigouche-Tobique	1 549	312	483 936	2 073	3 211 000
Unlicensed Crown Land	-	-	-	-	-
TOTALS	12 102	\$313	\$3 787 487	2 160	26 142 000

+ Experimental planting not included in costs

1 There are 2 ha included in the total that were planted by DNR

TABLE 2 - PRE-COMMERCIAL THINNING

LICENSEE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE
Upsalquitch	39	448	17 456
Nepisiquit+	20	-	-
Lower Miramichi	190	224	42 634
Upper Miramichi	888	189	168 088
Kent	90	223	20 031
Queens-Charlotte	325	394	128 043
Fundy	423	630	266 535
York*	380	528	200 820
Carleton	-	-	-
Restigouche-Iobique	718	458	286 711
TOTAL	2 673	\$ 363	\$ 929 498

+ Licensee Thinning - Area not included in total

* Hardwood Thinning - Not Basic Silviculture - Area and costs not included in total

TABLE 3 - HERBICIDING PLANTATION TENDING

LICENSEE	REGION	AREA (ha)	COST PER HECTARE	TOTAL COST
Upsalquitch	1	1 371	132	180 858
Nepisiquit	1	819	117	96 057
Lower Miramichi	2	600	126	75 684
Upper Miramichi	1	715	129	92 500
Kent	-	-	-	-
Queens-Charlotte	4	1 409	125	176 654
Fundy	3	223	87	19 402
York	4	573	144	82 590
Carleton	4&5	650	148	96 586
Restigouche-Iobique	5	3 586	136	489 143
TOTAL		9 946	\$ 132	\$ 1 309 474

TABLE 4 - HERBICIDING - SITE PREPARATION

LICENSE	REGION	AREA (ha)	COST PER HECTARE	TOTAL COST
Upsalquitch	-	-	-	-
Nepisquit	-	-	-	-
Lower Miramichi	-	-	-	-
Upper Miramichi	-	-	-	-
Kent	-	-	-	-
Queens-Charlotte	-	-	-	-
Fundy	-	-	-	-
York	-	-	-	-
Carleton	-	-	-	-
Restigouche-Tobique	5	11	157	1 722
TOTAL		11	\$157	\$1 722

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TABLE 5 - HERBICIDING - NATURAL RELEASE

LICENSE	REGION	AREA (ha)	COST PER HECTARE	TOTAL COST
Upsalquitch	-	-	-	-
Nepisquit	-	-	-	-
Lower Miramichi	-	-	-	-
Upper Miramichi	-	-	-	-
Kent	-	-	-	-
Queens-Charlotte	-	-	-	-
Fundy	-	-	-	-
York	-	-	-	-
Carleton	-	-	-	-
Restigouche-Tobique	5	22	142	3 127
TOTAL		22	\$142	\$3 127

TABLE 6 - CONE COLLECTION

LICENSE	REGION	VOLUME OF CONES (litres)	COST PER LITRE	TOTAL COST
Upsalquitch	1	3 710	1.10	4 080
Nepisiguit	-	-	-	-
Lower Miramichi ¹	1,2	27 662	1.19	32 859
Upper Miramichi	-	-	-	-
Kent	-	-	-	-
Queens-Charlotte	3	910	1.25	1 136
Fundy	3,4	12 250	1.95	23 836
York	-	-	-	-
Carleton	5	4 490	1.07	4 817
Restigouche-Ioblique*	5	23 840	1.55	36 882
TOTAL		72 862	\$ 1.42	\$ 103 610

¹ Part of Cone Collection occurred on Tracadie Range (see Table III-4)

* Cone Collection occurred on Freehold land

LICENSE - UPSALQUITOH

TABLE 1-1 - PLANTING

LOCATION	TYPE*	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Big Hole Brook	PP	124	315	39 060	bs	S.F.B. 84	2 041	253 000	101 0020 84BP
Little S.E. Upsal. R.	SB	24	315	7 560	JP	S.F.B. 84	2 050	49 000	101 0032 84BP
Little S.E. Upsal. R.	PP	32	315	10 080	bs	S.F.B. 84	2 250	72 000	101 0040 84BP
Norton Gulch	PP	122	315	38 430	bs	S.F.B. 84	2 194	268 000	101 0054 84BP
Jacquet River	PP	60	315	18 900	JP	Bracke 83	3 681	221 000	101 0062 84BP
Jacquet River	PP	132	210	27 738	JP	Burn 83	2 750	363 000	101 0062 84BP
Jacquet River	PP	53	164	8 707	bs	Burn 83	2 150	114 000	101 0062 84BP
Juniper Lake	PP	57	315	17 995	bs	S.F.B. 84	2 000	114 000	101 0064 84BP
Meadow Brook	PP	13	315	4 095	bs	S.F.B. 84	2 150	28 000	101 0068 84BP
Fournier Gulch	PP	24	315	7 560	bs	S.F.B. 84	2 250	54 000	101 0069 84BP
Fournier Gulch	PP	31	315	9 765	bs	S.F.B. 84	2 204	68 000	101 0071 84BP
N.Br. Meadow Brook	PP	30	315	9 450	bs	S.F.B. 84	2 158	65 000	101 0120 84BP
Robinson	PP	8	315	2 520	JP	F.P. 81	2 160	17 000	101 1065 84BP
White Brook	PP	46	315	14 490	bs	S.F.B. 83	2 333	105 000	101 1107 84BP
White Brook	PP	14	315	4 410	JP	S.F.B. 83	2 125	30 000	101 1107 84BP
Big Hole Brook	PP	87	315	27 405	bs	S.F.B. 84	2 150	187 000	101 1120 84BP
Big Hole Brook	PP	126	315	39 690	bs	S.F.B. 84	2 357	297 000	101 1121 84BP
Little Popelogan Bk.	PP	30	315	9 450	bs	S.F.B. 83	2 000	60 000	101 1124 84BP
Popelogan River	PP	130	315	40 950	bs	S.F.B. 83	2 020	263 000	101 1125 84BP
SUMMARY		1 143	\$296	\$338 225			2 299	2 628 000	

* PP - Paper Pot

SB - Styro Block

* S.F.B. - Shark-Finned Barrels

F.P. - Finnish Plow

TABLE I-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO		SILVICULTURE TREATMENT NUMBER
				LICENSEE	LICENSEE	
Charlo River	pre-commercial	14	629	8 806		101 0353 84BT
One Mile Brook	pre-commercial	18	346	6 228		101 0727 84BT
Arseneau Lake	pre-commercial	7	346	2 422		101 0900 84BT
SUMMARY		39	\$448	\$17 456		

TABLE I-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Camel Back Mnt.	Plantation Tending	90	122	10 940	Round-up	4.32	101 1022 84BH
Upper McNair Bk.	Plantation Tending	60	135	8 120	Round-up	4.94	101 1026 84BH
Upper McNair Bk.	Plantation Tending	95	129	12 303	Round-up	4.94	101 1027 84BH
Upper McNair Bk.	Plantation Tending	46	129	5 957	Round-up	4.94	101 1028 84BH
Upper McNair Bk.	Plantation Tending	121	129	15 669	Round-up	4.94	101 1029 84BH
Upper McNair Bk.	Plantation Tending	146	129	18 907	Round-up	4.94	101 1030 84BH
Upper McNair Bk.	Plantation Tending	145	129	18 777	Round-up	4.94	101 1034 84BH
Upper McNair Bk.	Plantation Tending	120	135	16 240	Round-up	4.94	101 1042 84BH
Upper McNair Bk.	Plantation Tending	73	129	9 453	Round-up	4.94	101 1049 84BH
Upper McNair Bk.	Plantation Tending	90	129	11 655	Round-up	4.94	101 1051 84BH
Upsalquitch Lk.	Plantation Tending	117	128	14 854	Round-up	4.32	101 1054 84BH
Upsalquitch Lk.	Plantation Tending	50	128	6 403	Round-up	4.32	101 1055 84BH
Wildcat Brook	Plantation Tending	35	178	6 230	Round-up	4.94	101 1069 84BH
Wildcat Brook	Plantation Tending	55	178	9 790	Round-up	4.94	101 1071 84BH
Camel Back Mtn.	Plantation Tending	128	122	15 560	Round-up	4.32	101 1075 84BH
SUMMARY		1 371	\$132	\$180 858			

TABLE I-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Williams Bk.	bs	3 710	1.10	4 080	101 0001 845C
SUMMARY		3 710	\$1.10	\$4 080	

LICENSE - NEPISIGUIT

TABLE 11-1 - PLANTING

LOCATION	TYPE*	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Lower E.Br. Moose Bk.	Con	68	302	20 536	JP	D.T. 84	2 075	141 000	102 0001 84BP
West Br. Moose Bk.	Con	37	302	11 174	JP	D.T. 84	2 000	74 000	102 0004 84BP
Forty Mile Brook	Con	84	302	25 066	bs	C.H. 84	2 000	166 000	102 0005 84BP
Peters Brook	Con	92	302	27 784	JP	C.H. 83	2 100	193 000	102 0007 84BP
W.Br. Forty Mile Bk.	Con	20	302	6 040	JP	C.H. 83	2 050	41 000	102 0014 84BP
Forty Mile Brook	Con	98	302	29 596	bs	C.H. 84	2 300	225 000	102 0044 84BP
North Br. Middle R.	Con	51	302	15 402	bs	C.H. 84	2 095	107 000	102 0053 84BP
Grant's Lake	Con	130	302	39 260	JP	C.H. 84	2 180	283 000	102 0105 84BP
Nine Mile Brook	Con	66	302	19 932	bs	C.H. 83-84	2 440	161 000	102 0230 84BP
Little River	Con	40	302	12 080	TL	C.H. 83	2 600	104 000	102 0231 84BP
Little River	Con	3	302	906	bs	C.H. 83	2 600	8 000	102 0231 84BP
West Br. Moose Bk.	Con	55	302	16 610	JP	D.T. 84	2 150	118 000	102 0251 84BP
Moose Brook	Con	65	287	18 649	JP	D.T. 84	1 850	120 000	102 0252 84BP
Nine Mile Brook	Con	89	302	26 878	bs	C.H. 83	2 425	216 000	102 0253 84BP
South Br. Middle R.	Con	102	302	30 804	bs	C.H. 84	2 150	219 000	102 0254 84BP
Tetragouche River	Con	101	302	30 502	bs	C.H. 84	2 275	230 000	102 0256 84BP
Peters Brook	Con	95	302	28 690	JP	C.H. 83	2 350	223 000	102 0259 84BP
Peters Brook	Con	19	302	5 738	bs	C.H. 83	2 500	47 000	102 0259 84BP
Armstrong Brook	Con	55	302	16 610	JP	C.H. 83	2 300	127 000	102 0260 84BP
Rocky Lake	Con	68	302	20 536	JP	C.H. 84	2 180	148 000	102 0276 84BP
Doctor Bells Meadow	Con	1	302	302	JP	C.H. 83	2 200	2 000	102 0311 84BP
Doctor Bells Meadow	Con	3	302	906	bs	C.H. 83	2 200	7 000	102 0311 84BP
SUMMARY	1	342	\$301	\$404 001			2 206	2 960 000	

* Con - Paper Pot
 * D.T. - Disc Trencher
 C.H. - C & H Plow

TABLE II-2 PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Reids Brook*	pre-commercial	9	N/A	N/A	102 0316 84LT
Caribou Brook*	pre-commercial	11	N/A	N/A	102 0317 84LT
SUMMARY		20			

* Licensee Thinning - (LT)
Not Available - N/A

TABLE II-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Forty Mile Brook	Plantation Tending	82	140	11 471	Round-up	4.32	102 0006 84BH
Forty Mile Brook	Plantation Tending	158	140	22 103	Round-up	4.32	102 0232 84BH
Forty Mile Brook	Plantation Tending	98	140	13 710	Round-up	4.32	102 0233 84BH
Middle River	Plantation Tending	95	101	9 662	Round-up	4.32	102 0238 84BH
Middle River	Plantation Tending	48	101	4 840	Round-up	4.32	102 0239 84BH
Pabineau River	Plantation Tending	35	112	3 928	Round-up	4.32	102 0242 84BH
Pabineau River	Plantation Tending	18	112	2 020	Round-up	4.32	102 0243 84BH
California Lake	Plantation Tending	56	103	5 754	Round-up	4.32	102 0261 84BH
Nine Mile Brook	Plantation Tending	115	95	10 914	Round-up	4.32	102 0262 84BH
Lucky Lake	Plantation Tending	25	123	3 076	Round-up	4.32	102 0263 84BH
Middle River	Plantation Tending	23	101	2 315	Round-up	4.32	102 0264 84BH
Nine Mile Brook	Plantation Tending	66	95	6 263	Round-up	4.32	102 0265 84BH
SUMMARY		819	\$117	\$96 057			

LICENSE - LOWER MIRAMICHI

TABLE 1111-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Malignet Brook	PP	45	303	13 635	JP	C.H.83	2 225	100 000	103 0033 84BP
Tabusintac River	PP	32	303	9 696	JP	(disc)C.H.83-84	2 196	70 000	103 0034 84BP
Malignet Brook	PP	15	303	4 545	JP	C.H.83	2 250	34 000	103 0037 84BP
Malignet Brook	PP	16	303	4 848	JP	C.H.83	2 000	32 000	103 0056 84BP
North Brook	PP	12	303	3 636	JP	C.H.83	2 000	24 000	103 0313 84BP
Sables R. Blk Tr.	PP	108	303	32 724	bs	C.H.83	2 145	232 000	203 0012 84BP
	PP	2	Experimental		JP				203 0020 84BP
Stoney Blk.	PP	85	303	25 755	JP	C.H.83	2 400	204 000	203 0309 84BP
Fraser Burchill	PP	33	303	10 090	JP	C.H.83	2 364	79 000	203 0310 84BP
Trout Brook	PP	43	303	13 120	JP	C.H.83	2 293	99 000	203 0311 84BP
Big Eskedelloc R.	PP	18	303	5 515	JP	C.H.83	2 225	40 000	203 0312 84BP
Wayerton	PP	48	303	14 453	JP	C.H.83	2 583	123 000	203 0314 84BP
Stoney Brook	PP	75	303	22 604	JP	C.H.83	2 175	162 000	203 0315 84BP
Stoney Brook	PP	43	303	13 059	JP	C.H.83	2 208	95 000	203 0316 84BP
Stoney Brook	PP	29	303	8 939	JP	C.H.83	2 125	63 000	203 0317 84BP
Stoney Brook	PP	15	303	4 636	JP	C.H.83	2 027	31 000	203 0318 84BP
Lake Brook	PP	73	303	22 028	JP	C.H.83	2 461	179 000	203 0319 84BP
Cains River	PP	65	303	19 695	JP	C.H.83	2 325	151 000	203 0320 84BP
Blackville Tower	PP	2	303	485	JP	C.H.83	2 250	4 000	203 0321 84BP
Blackville Tower	PP	23	303	6 969	JP	C.H.83	2 250	52 000	203 0322 84BP
Blackville Tower	PP	57	303	17 119	JP	C.H.83	2 483	140 000	203 0323 84BP
Sables R. Blk Tr.	PP	17	303	5 151	bs	C.H.83	2 053	35 000	203 0324 84BP
Sables R. Blk Tr.	PP	6	303	1 818	bs	C.H.83	2 150	13 000	203 0325 84BP
Sables R. Blk Tr.	PP	28	303	8 484	bs	C.H.83	2 103	59 000	203 0326 84BP
Sables R. Blk Tr.	PP	14	303	4 242	bs,JP	C.H.83	2 550	36 000	203 0327 84BP
Sables R. Blk Tr.	PP	76	303	23 028	bs,JP	C.H.83	2 136	162 000	203 0328 84BP
Blackville Tower	PP	16	303	4 697	bs	C.H.82	2 058	32 000	203 0342 84BP
Fraser Brook Rd.	PP	25	303	7 636	JP	Burn	2 033	51 000	203 0366 84BP

TABLE III-1 - PLANTING (Cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION ¹	AVE. NUMBER* OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Blackville Tower	PP	12	303	3636	bs	C.H.82	2 042	25 000	203 0372 848P
Blackville Tower	PP	4	303	1 212	bs	C.H.82	2 050	8 000	203 0373 848P
Blackville Tower	PP	40	303	12 120	bs	C.H.82	2 043	82 000	203 0374 848P
Blackville Tower	PP	7	303	2 121	bs	C.H.82	2 142	15 000	203 0375 848P
Blackville Tower	PP	16	303	4 969	bs	C.H.82	2 068	33 000	203 0376 848P
Sables R Blk TR	PP	6	303	1 697	bs	C.H.82	2 068	12 000	203 0376 848P
Ten Mile Blk.	PP	65	303	19 695	bs,JP	C.H.82	2 027	132 000	203 0378 848P
Sables R Blk TR	PP	30	303	9 090	bs	C.H.82	2 031	20 000	203 0379 848P
SUMMARY		1 201	\$303	\$363 147			2 193	2 629 000	

¹ C.H. - C & H Plow

* Experimental Planting carried out by D.N.R. - 2 ha planted which accounts for the difference from The Basic Silviculture Activities By License.. Comparison of Output Data, G. McLeod

TABLE III-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Salmon Brook	Pre-commercial	19	203	3 938	203 0390 84BT
Shaddick Lake	Pre-commercial	21	203	4 161	203 0391 84BT
Salmon Brook	Pre-commercial	16	203	3 248	203 0392 84BT
Salmon Brook	Pre-commercial	18	203	3 654	203 0393 84BT
Moore's Brook	Pre-commercial	24	203	4 872	203 0600 84BT
Moore's Brook	Pre-commercial	40	266	10 640	203 0601 84BT
Moore's Brook	Pre-commercial	24	266	6 437	203 0602 84BT
Warick Road	Pre-commercial	28	203	5 684	203 0606 84BT
SUMMARY		190	\$224	\$42 634	

TABLE III-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Peabody Lake	Plantation Tending	130	139	18 017	Round-up	4.32	203 0362 84BH
Fraser Burchill Rd	Plantation Tending	23	131	3 075	Round-up	4.32	203 0366 84BH
Moore's Brook	Plantation Tending	385	119	45 668	Round-up	4.32	203 0368 84BH
Parks Brook	Plantation Tending	62	143	8 924	Round-up	4.32	203 0612 84BH
SUMMARY		600	\$126	\$75 684			

TABLE III-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Meadow Brook	JP	11 272	0.87	9 854	1 *0002 84SC
Frank Hyde Bk.					
Reserve Stand	BS	6 450	1.74	11 262	203 0003 84SC
West Muzroll					
Reserve Stand	JP	4 740	1.18	5 594	203 0004 84SC
Depres Lake					
Reserve St. #1	JP	3 720	1.18	4 399	203 0005 84SC
Depres Lake					
Reserve St. #2	JP	1 480	1.18	1 750	203 0006 84SC
SUMMARY		27 662	\$1.19	\$32 859	

* Cone Collection from Tracadie Range

LICENSE - UPPER MIRAMICHI

TABLE IV-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Blueberry Rd.	PP	68	287	19 574	bs	C.H.83	1 896	129 000	204 0001 84BP
Blueberry Rd.	PP	74	303	23 028	bs,JP	C.H.83	2 125	157 000	204 0002 84BP
Blueberry Rd.	PP	144	303	43 632	JP	C.H.83	2 005	289 000	204 0003 84BP
Spring Bk.	PP	138	303	41 693	bs,JP	C.H.83	2 253	310 000	204 0006 84BP
North Little R. Lk.	PP	40	303	11 969	JP	C.H.84	1 962	77 000	204 0012 84BP
North Little R. Lk.	PP	166	303	50 298	bs,JP	C.H.84	2 080	345 000	204 0013 84BP
Bayles Lake	PP	161	303	48 692	bs,JP	F.T.L.81-82	2 019	324 000	204 0017 84BP
Barricks Bk.	PP	84	303	25 513	JP	F.T.L.82	2 325	196 000	204 0018 84BP
Mullin Stream	PP	226	303	68 448	bs,JP	F.T.L.82-83	2 103	475 000	204 0021 84BP
Mullin Stream	PP	70	303	21 240	JP	F.T.L.83	2 508	176 000	204 0022 84BP
Jacks Lake	PP	129	197	25 511	JP	Wild Fire 83	2 625	340 000	204 0029 84BP
Beliefond	PP	114	303	34 542	bs,JP	M.C.83-84	2 056	234 000	204 0242 84BP
Nepisiguit Bk.	PP	114	303	34 481	bs,JP	C.H.83	1 848	210 000	204 0506 84BP
Nepisiguit Bk.	PP	202	287	58 031	bs,JP	C.H.83	1 848	373 000	204 0506 84BP
Barrack's Brook	PP	151	303	45 632	bs	C.H.84	1 995	300 000	204 0516 84BP
Barrack's Brook	PP	180	303	54 570	bs,JP	C.H.84	2 358	425 000	204 0517 84BP
Tomogonops	PP	170	303	51 389	JP	C.H.84	2 280	387 000	204 0541 84BP
SUMMARY		2 231	\$295	\$658 243			2 128	4 747 000	

* C.H. - C & H Plow

F.T.L. - Full Tree Logged

M.C. - Mechanical Chipped

TABLE IV-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
McCormack Lk.	Pre-commercial	230	294*	67 701	204 0515 84BT
Devils Bk.	Pre-commercial	232	310*	71 845	204 0518 84BT
Bartibog or Gr.Bk.	Pre-commercial	236	67	15 839	204 0520 84BT
Bartibog or Gr.Bk.	Pre-commercial	136	67	9 085	204 0531 84BT
Bartibog or Gr.Bk.	Pre-commercial	54	67	3 618	204 0552 84BT
SUMMARY		888	\$189	\$168 088	

* Average Cost/Ha.

TABLE IV-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Bayles Lake	Plantation Tending	145	129	18 735	Round-up	4.32	204 0535 84BH
Bayles Lake	Plantation Tending	222	129	28 685	Round-up	4.32	204 0537 84BH
Bayles Lake	Plantation Tending	258	129	33 374	Round-up	4.32	204 0538 84BH
Bayles Lake	Plantation Tending	90	129	11 706	Round-up	4.32	204 0539 84BH
SUMMARY		715	\$129	\$92 500			

LICENSE - KENT

TABLE V-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Black River	Con	16	303	4 848	bs	C.H.-83	2 470	40 000	205 0001 848P
Black River	Con	58	303	17 574	JP,bs	C.H.-83	2 260	124 000	205 0002 848P
Black River	Con	8	303	2 424	bs	C.H.-83	2 000	16 000	205 0024 848P
Black River	Con	18	303	5 454	JP,bs	C.H.-83	2 120	45 000	205 0025 848P
Halls Gate Lake	Con	27	303	8 181	JP	C.H.-83	2 290	62 000	205 0200 848P
Acadleville	Con	28	303	8 484	JP	C.H.-83	2 660	74 000	205 0201 848P
SUMMARY		155	\$303	\$46 965			2 329	361 000	

* CH - C & H Plow

TABLE V-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
St. Joseph	Pre-commercial	21	203	4 182	205 0209 848T
St. Joseph	Pre-commercial	31	203	6 293	205 0209 848T
Hells Gate Rd.	Pre-commercial	16	203	3 349	205 0212 848T
Hells Gate Rd.	Pre-commercial	18	266	4 788	205 0213 848T
Hells Gate Rd	Pre-commercial	4	346	1 419	205 0214 848T
SUMMARY		90	\$223	\$20 031	

LICENSE - QUEENS CHARLOTTE

TABLE VI-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Astle	MP	29	316	9 174	JP	LT 82	1 935	56 000	206 0003 84BP
Chilpan	SB	33	333	10 989	JP	LT 82	2 063	68 000	206 0003 84BP
Michigan Bk.	PP	27	333	8 991	BS	LT 82	2 075	56 000	206 0003 84BP
Michigan Bk.	PP	58	333	19 314	JP	LT 82	2 122	123 000	206 0003 84BP
Michigan Bk.	PP	103	333	34 299	JP	LT 84	2 250	232 000	206 0003 84BP
Burntland Bk.	PP	9	333	2 997	BS	LT 82	2 150	19 000	206 7999 84BP
Bentallor Rd.	PP	9	333	2 997	BS	LT 82	2 375	21 000	206 9971 84BP
Bentallor Rd.	PP	41	333	13 653	BS	LT 82	2 300	94 000	206 9971 84BP
Burntland Bk.	MP	28	290	8 484	JP	LT 80 + 82	1 737	49 000	206 9972 84BP
Ten Mile Bk.	PP	21	333	6 993	JP	MR 83	2 100	44 000	206 9983 84BP
Burntland Bk.	PP	108	316	34 166	BS	MR 83	1 890	204 000	206 9984 84BP
N. Calns River	BR	31	352	10 912	JP	LT 82, Herbicide 8 3	2 033	63 000	206 9999 84BP
N. Calns River	MP	12	333	3 996	JP	LT 82, Herbicide 8 3	2 117	25 000	206 9999 84BP
Pleasant Bk.	PP	5	333	1 665	RP	MR 83	2 156	11 000	306 0014 84BP
Pleasant Bk.	MP	6	333	1 998	BS	MR 83	2 156	13 000	306 0014 84BP
N. Blackwater Bk.	PP	206	333	68 598	JP	MR 82, AC+Bracke 8 4	2 000	412 000	306 0027 84BP
Coal Branch Lake	PP	28	333	9 324	TL	MR 83	2 187	61 000	306 0028 84BP
Coal Branch Lake	PP	33	333	10 889	BS	MR 83	2 170	72 000	306 0028 84BP
Coal Branch Lake	PP	15	333	5 095	BS	MR 83	2 166	32 000	306 0028 84BP
Nevers Bk.	BR	47	352	16 544	JP	Bracke 83	2 088	98 000	306 0042 84BP
Nevers Bk.	PP	59	333	19 647	JP	Bracke 83	2 065	122 000	306 0042 84BP
Meadow Bk.	PP	42	333	13 986	JP	Bracke 83	2 265	95 000	306 0105 84BP
Meadow Bk.	PP	80	333	26 640	JP	Bracke 83	2 342	187 000	306 0105 84BP
Blackwater Bk.	PP	95	316	30 053	JP	AC 84	1 946	185 000	306 0113 84BP
Petitpas Bk.	PP	28	333	9 324	RP	MR + Bracke 84	2 198	62 000	306 0117 84BP
Petitpas Bk.	MP, PP	98	333	32 634	BS	MR + Bracke 84	2 268	222 000	306 0117 84BP
Petitpas Bk.	PP	150	333	49 950	JP	MR + Bracke 84	2 091	314 000	306 0117 84BP

TABLE VI-1 - PLANTING (Cont'd)

LOCATION	AREA TYPE* (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Bronson	PP 44	316	13 919	JP	MR 83	1 890	83 000	306 0171 84BP
Bronson	SB 41	333	13 653	JP	MR 83	2 076	85 000	306 0171 84BP
McLeod Bk.	PP 79	333	26 307	BS	Bracke 84	2 274	180 000	306 0172 84BP
McLeod Bk.	PP 35	333	11 655	BS	Bracke 84	2 274	80 000	306 0172 84BP
McLeod Bk.	PP 3	333	999	JP	Bracke 84	2 274	7 000	306 0172 84BP
Cherry Bk.	PP 4	333	1 332	JP	LT 82	2 450	10 000	306 9970 84BP
S. Chin Ck.	PP 57	333	18 981	BS	AC 83	2 085	119 000	406 0010 84BP
Sunday Lk.	BR 83	352	29 216	BS	AC 83	2 208	183 000	406 0012 84BP
Sunday Lk.	BR 25	352	8 800	JP	AC 83	2 208	55 000	406 0012 84BP
Sunday Lk.	PP 22	333	7 326	JP	AC 83	2 208	49 000	406 0012 84BP
McDougal Inlet	PP 97	333	32 301	JP	AC 83	2 230	216 000	406 0027 84BP
Wellington Lk.	PP 10	333	3 330	BS	AC 83	2 194	22 000	406 0029 84BP
Victoria Lk.	BR 13	352	4 576	JP	AC 83	2 163	28 000	406 0145 84BP
Victoria Lk.	PP 27	333	8 991	JP	AC 83	2 163	58 000	406 0145 84BP
Victoria Lk.	SB 21	333	6 993	JP	AC 83	2 163	45 000	406 0145 84BP
McDougal Inlet	PP 1	333	333	JP	AC 84	2 230	2 000	406 0150 84BP
West Long Lk.	PP 49	333	16 317	BS	AC 83	2 010	98 000	406 0166 84BP
West Long Lk.	PP 3	333	932	JP	AC 83	2 010	6 000	406 0166 84BP
West Long Lk.	SB 2	333	666	JP	AC 83	2 010	4 000	406 0166 84BP
West Long Lk.	PP 2	333	733	BS	AC 83	2 010	4 000	406 0166 84BP
SUMMARY	2 019	\$332	\$670 672			2 117	4 274 000	

*PP - Multi-Pot
BR - Bare Root

*LT - Crusher
MR - Marden Roller
AC - Anchor Chains

TABLE VI-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Falls Bk.	Pre-commercial	16	629	10 190	206 7973 848T
N. Cains R.	Pre-commercial	54	203	10 942	206 7981 848T
Falls Bk.	Pre-commercial	16	629	10 190	206 7982 848T
Glen Branch	Pre-commercial	9	769	7 305	306 0408 848T
Pleasant Bk.	Pre-commercial	6	769	4 614	306 7966 848T
Trout Bk.	Pre-commercial	13	461	5 809	306 7968 848T
Trout Bk.	Pre-commercial	11	629	6 919	306 7968 848T
Beaver Bk.	Pre-commercial	80	266	21 307	306 7989 848T
Stony Bk.	Pre-commercial	10	203	2 030	306 7994 848T
Stony Bk.	Pre-commercial	22	346	7 750	306 7994 848T
Stony Bk.	Pre-commercial	5	461	2 213	306 7994 848T
Stony Bk.	Pre-commercial	19	461	8 759	306 7994 848T
Trout Bk.	Pre-commercial	23	346	7 889	306 9783 848T
Petitpas Bk.	Pre-commercial	13	629	8 366	306 9925 848T
Petitpas Bk.	Pre-commercial	15	629	9 435	306 9925 848T
Petitpas Bk.	Pre-commercial	13	346	4 325	306 9925 848T
SUMMARY		325	\$394	\$128 043	

TABLE VI-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Beaver Bk.	Plantation tending	90	N/A	N/A	Round-up	3.00	206 7998 84LH*
E. Little Fks Bk.	Plantation tending	82	N/A	N/A	Round-up	3.00	206 9979 84LH*
Lake Stream	Plantation tending	44	N/A	N/A	Round-up	3.00	206 9995 84LH*
Lake Stream	Plantation tending	100	67	6 745	Brush-rhap	3.71	306 7961 84BH
Big Forks Stream	Plantation tending	42	121	5 094	Brush-rhap	3.71	306 7962 84BH
Cox Bk.	Plantation tending	104	118	12 297	Round-up	4.32	306 7964 84BH
N. West Long Lk.	Plantation tending	172	118	20 290	Round-up	4.32	306 7965 84BH
Wellington Lk	Plantation tending	103	116	11 896	Round-up	4.32	306 7966 84BH
Pleasant Ridge	Plantation tending	114	138	15 718	Brush-rhap	3.71	306 7967 84BH
Pleasant Ridge	Plantation tending	38	138	5 289	Round-up	4.32	406 0025 84BH
Pleasant Ridge	Plantation tending	47	119	5 593	Round-up	4.32	406 0028 84BH
Pleasant Ridge	Plantation tending	109	140	15 234	Round-up	4.32	406 9928 84BH
Pleasant Ridge	Plantation tending	43	132	5 713	Round-up	4.32	406 9929 84BH
Pleasant Ridge	Plantation tending	102	140	14 286	Round-up	4.32	406 9930 84BH
Upper Niles Bk.	Plantation tending	86	132	11 400	Round-up	4.32	406 9931 84BH
Kedron Brook	Plantation tending	28	132	3 650	Round-up	4.32	406 9932 84BH
Seven Mile Lake	Plantation tending	45	140	6 297	Round-up	4.32	406 9934 84BH
Magaguadavic R.	Plantation tending	131	138	18 017	Round-up	4.32	406 9940 84BH
McDougall Lk Inlet	Plantation tending	9	138	1 226	Round-up	4.32	406 9943 84BH
N. West Long Lk	Plantation tending	28	162	4 595	Round-up	4.32	406 9944 84BH
Tamarack Bk	Plantation tending	27	119	3 160	Round-up	4.32	406 9946 84BH
Head of McDougall Inlet	Plantation tending	25	138	3 512	Round-up	4.32	406 9948 84BH
Antonia Lake	Plantation tending	56	119	6 642	Round-up	4.32	406 9950 84BH

SUMMARY 1 409 \$125 \$176 654

* 216 hectares done by Irving is not included in the total

TABLE VI-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Spring Brook	JP	910	1.25	11.36	306 0013 845C
SUMMARY		910	\$1.25	\$11.36	

LICENSE - FUNDY

TABLE VII-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
N. Miller Bk. Rd.	SB	76	333	25 308	JP	AC 83	2 447	186 000	307 0004 84BP
Crooked Bk.	PP	12	333	3 996	JP	AC 83	2 282	27 000	307 0005 84BP
End Gambin Rd.	PP	78	333	25 974	JP	AC 83	2 350	183 000	307 0006 84BP
Little Salmon River	PP	12	333	4 062	JP	AC 84	2 760	33 000	307 0007 84BP
Quiddy River	PP	48	333	15 851	JP	AC 83, 84	2 000	96 000	307 0008 84BP
Felix Bk.	PP	90	333	30 003	BS	AC 83	2 040	184 000	307 0011 84BP
Felix Bk.	PP	84	333	28 039	JP	AC 83	2 157	181 000	307 0011 84BP
Felix Bk.	PP	32	333	10 822	BS	AC 83	2 075	66 000	307 0011 84BP
Four Mile Bk.	PP	55	333	18 315	BS	AC 82	2 090	115 000	307 0012 84BP
Four Mile Bk.	PP	35	316	11 072	BS	AC 82	1 999	70 000	307 0077 84BP
Four Mile Bk.	PP	56	316	17 716	TL	AC 82	1 999	112 000	307 0077 84BP
Four Mile Lk. Rd.	PP	45	333	15 118	BS	AC 82	2 241	101 000	307 0077 84BP
Buckly Rd.	BR	51	352	17 952	BS	Bracke 83	2 250	115 000	307 9985 84BP
Buckly Rd.	PP	27	333	8 991	TL	Bracke 83	2 145	58 000	307 9985 84BP
Buckly Rd.	BR	12	352	4 224	BS	Bracke 83	2 145	26 000	307 9985 84BP
Buckly Rd.	PP	33	333	10 922	BS	Bracke 83	2 060	68 000	307 9985 84BP
Sproul Sett.	PP	4	333	1 043	JP	AC 82	1 720	7 000	307 9989 84BP
Cains R. Road	PP	81	333	26 973	JP	AC 83	2 297	186 000	407 9983 84BP
McKenzie Brook	PP	43	333	14 319	JP	AC 83	2 225	96 000	407 9984 84BP
McKenzie Brook	PP	38	333	12 654	JP	AC 83	2 045	78 000	407 9984 84BP
Bubar Bk.	PP	33	316	10 440	JP	Bracke + AC 83	1 893	62 000	407 9997 84BP
McKenzie Brook	SB	6	333	1 898	JP	DT 83	2 090	13 000	407 9998 84BP
McKenzie Brook	PP	37	333	12 321	JP	DT 83	2 230	83 000	407 9998 84BP
McKenzie Brook	PP	81	333	26 973	BS	DT 83	2 090	169 000	407 9998 84BP
Wellington	PP	122	333	40 626	JP	DT 83	2 403	293 000	407 9999 84BP
SUMMARY		1 191	\$332	\$395 612			2 190	2 608 000	

* AC - Anchor + Chains
DT - Disc Trencher

TABLE VII-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Cranbury Lk.	Pre-commercial	8	461	3 642	307 9910 848T
Cranbury Lk	Pre-commercial	7	629	4 529	307 9910 848T
Teahans Corner	Pre-commercial	13	769	10 366	307 9911 848T
Teahans Corner	Pre-commercial	1	629	164	307 9911 848T
Priest Lk.	Pre-commercial	4	769	3 076	307 9913 848T
NE Longs Ck.	Pre-commercial	11	629	6 919	307 9915 848T
S. NE Longs Ck.	Pre-commercial	12	629	7 359	307 9916 848T
Flat Rock Bk.	Pre-commercial	26	629	16 354	307 9917 848T
S. Parks Lk.	Pre-commercial	11	769	8 613	307 9918 848T
S. Parks Lk.	Pre-commercial	9	346	3 149	307 9918 848T
S. Parks Lk.	Pre-commercial	24	629	15 348	307 9918 848T
Stewarton	Pre-commercial	34	769	26 377	307 9920 848T
Stewarton	Pre-commercial	11	769	8 767	307 9920 848T
Sagawa	Pre-commercial	22	346	17 018	307 9921 848T
Sagawa	Pre-commercial	7	346	2 401	307 9921 848T
Sagawa	Pre-commercial	12	629	7 523	307 9921 848T
Sagawa	Pre-commercial	11	769	8 397	307 9921 848T
Sagawa	Pre-commercial	3	769	2 599	307 9921 848T
Sagawa	Pre-commercial	7	769	5 398	307 9921 848T
Forks Stream	Pre-commercial	7	346	2 318	307 9922 848T
Forks Stream	Pre-commercial	5	346	1 765	307 9922 848T
Forks Stream	Pre-commercial	15	629	9 183	307 9922 848T
N. Nevers Bk.	Pre-commercial	11	346	3 789	307 9923 848T
Salmon Ck. Sett.	Pre-commercial	26	769	19 840	307 9925 848T
McGee Bk.	Pre-commercial	4	629	2 365	307 9926 848T
Alward Bk.	Pre-commercial	20	461	9 312	307 9927 848T
Alward Bk.	Pre-commercial	22	346	7 612	307 9927 848T
Alward Bk.	Pre-commercial	10	461	4 472	307 9927 848T

TABLE VII-2 PRE-COMMERICAL THINNING (Cont'd)

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
East Carr Rd.	Pre-commercial	27	769	21 247	307 9928 848T
West Alward Bk.	Pre-commercial	21	629	13 461	307 9929 848T
Livingston Lk.	Pre-commercial	7	629	4 277	307 9980 848T
Livingston Lk.	Pre-commercial	3	629	1 635	307 9980 848T
Reid Bk.	Pre-commercial	9	629	5 347	407 9975 848T
Reid Bk.	Pre-commercial	3	629	2 013	407 9975 848T
SUMMARY		423	\$630	\$266 635	

TABLE VII-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Alward Bk.	Plantation tending	145	74	10 778	Brush-rhap	2.73	307 9886 848H
Forks Stream Rd.	Plantation tending	43	74	3 192	Brush-rhap	2.73	307 9888 848H
NE Little Salmon R.	Plantation tending	35	154	5 432	Round-up	5.47	307 9900 848H
SUMMARY		223	\$87	\$19 402			

TABLE VII-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Coles Island	WS	1 090	0.90	984	307 0007 84SC
St. Martens	WS	1 090	0.90	984	307 0007 84SC
Coles Island	BS	380	0.97	370	307 0009 84SC
Springfield	tL	1 090	2.73	2 974	307 0010 84SC*
Chipman	tL	550	2.73	1 487	307 0011 84SC*
Little River	tL	4 310	2.73	11745	307 0012 84SC
5 Mile Brook	BS	3 740	1.41	5 292	407 0014 84SC
SUMMARY		12 250	\$1.95	\$23 836	

* Cone collection on freehold land

LICENSE - YORK

TABLE VIII-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Napadogan Str.	PP	146	335	48 910	bs	SFB 83	2 132	311 000	408 0009 84BP
Poklok	PP	105	335	35 175	bs	SFB 83	2 080	218 000	408 0020 84BP
Lily Lake	PP	42	335	13 835	JP	SFB 83	2 200	91 000	408 0022 84BP
Lower Lake	PP	82	335	27 403	JP	SFB 83	2 180	179 000	408 1000 84BP
Napadogan Str.	BR	49	354	17 488	ws,bs	SFB 83	2 011	99 000	408 1001 84BP
Rocky Brook Lk.	PP	90	335	30 150	bs	SFB 83	2 130	192 000	408 1002 84BP
Grand John	PP	52	335	17 420	bs	SFB 83	2 310	120 000	408 1003 84BP
Hurlutt	PP	143	335	47 905	bs	SFB 83	2 165	310 000	408 1004 84BP
SUMMARY		709	\$336	\$238 286			2 143	1 520 000	

*SFB - Shark Fin Barrels

TABLE VIII-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Dunbar	Pre-commercial	230	461	101 430	408 1010 84*
Brown Lake	Pre-commercial	89	629	55 981	408 1012 84*
Lily Lake	Pre-commercial	36	769	27 684	408 1032 84*
Lily Lake	Pre-commercial	25	629	15 725	408 1032 84*
SUMMARY		380	\$528	\$200 820	

* Hardwood thinning - not Basic Silviculture

TABLE VIII-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Waterloo Lk.	Plantation tending	161	135	21 671	Round-up	4.62	408 0033 84BH
Big Bk.	Plantation tending	99	154	15 280	Round-up	5.46	408 1006 84BH
McLean Bk.	Plantation tending	57	171	9 811	Round-up	6.20	408 1009 84BH
Hurlutt	Plantation tending	35	146	5 135	Round-up	5.13	408 1030 84BH
Hurlutt	Plantation tending	68	146	9 920	Round-up	5.13	408 1031 84BH
Tin Kettle Bk.	Plantation tending	73	134	9 727	Round-up	4.56	408 1035 84BH
Charlie Lake	Plantation tending	80	139	11 046	Round-up	4.76	408 1036 84BH
SUMMARY		573	\$144	\$82 590			

LICENSE - CARLETON

TABLE IX-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Welch	PP	75	335	25 225	bs	SFB 83	2 134	160 000	409 0001 84BP
Welch	PP	25	335	8 275	bs	SFB 83	2 140	53 000	409 0001 84BP
Welch	PP	69	335	23 115	bs	SFB 83	2 094	144 000	409 0002 84BP
Arnold Bk.	PP	18	335	6 191	bs	SFB 83	2 216	41 000	409 0008 84BP
Arnold Bk.	PP	65	335	21 631	bs, JP	SFB 83	2 150	140 000	409 0009 84BP
Mud Lk.	PP	78	335	26 324	bs	SFB 83	2 100	165 000	409 0010 84BP
Mud Lk.	PP	50	335	16 599	bs	SFB 83	2 127	105 000	409 0011 84BP
Mud Lk.	PP	55	335	18 291	bs	SFB 83	2 228	122 000	409 0012 84BP
Mud Lk.	PP	31	335	10 288	bs	SFB 83	2 139	66 000	409 0012 84BP
Nashwaak River	PP	29	335	9 892	bs	SFB 82	2 132	63 000	409 9002 84BP
Nashwaak River	PP	6	335	2 124	bs	SFB 83	2 139	14 000	409 9006 84BP
Teague Brook	PP	61	335	20 445	JP	SFB 83	2 144	131 000	409 9009 84BP
SUMMARY		562	\$335	\$188 400			2 142	1 204 000	

* SFB - Shark Fin Barrels

TABLE IX-2 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Blowdown Bk.	Plantation tending	190	125	23 736	Round-up	4.14	409 9005 84BH
Ryan Brook	Plantation tending	56	153	8 668	Round-up	5.40	409 9008 84BH
Teague Brook	Plantation tending	108	148	15 942	Round-up	5.19	409 9010 84BH
Teague Brook	Plantation tending	48	148	7 085	Round-up	5.19	409 9011 84BH
Teague Brook	Plantation tending	24	148	3 542	Round-up	5.19	409 9013 84BH
Nashwaak R.	Plantation tending	55	147	8 168	Round-up	5.05	409 9014 84BH
Deersdale	Plantation tending	76	174	13 242	Round-up	6.43	409 9023 84BH
Deersdale	Plantation tending	93	174	16 203	Round-up	6.43	409 9024 84BH
SUMMARY		650	\$148	\$96 586			

TABLE IX-3 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Wapske River	WS	4 490	1.07	4 817	509 0015 84SC
SUMMARY		4 490	\$1.07	\$4 817	

TABLE X-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Wild Goose Bk.	PP	64	278	17 818	bs	C.H. 1983	1 778	114 000	510 0088 84BP
Portage Bk.	PP	14	320	4 480	bs	D.T. 1982	2 100	29 000	510 0089 84BP
N.Br. Gounamitz	PP	15	320	4 800	bs	D.T. 1982	2 143	32 000	510 0090 84BP
West Union Bk.	PP	10	304	3 040	bs	D.T. 1982	1 900	19 000	510 0091 84BP
Moose Valley	PP	9	304	2 736	bs	D.T. 1982	1 938	17 000	510 0092 84BP
Moose Valley Bk.	BR	27	322	8 695	bs	D.T. 1982	1 938	52 000	510 0093 84BP
Camp 68	BR	32	295	9 438	bs	C.H. 1982	1 731	55 000	510 0094 84BP
Camp 68	BR	38	295	11 207	bs	C.H. 1982	1 677	64 000	510 0095 84BP
Portage Brook	BR	23	322	7 407	bs	Bracke 1982	1 950	45 000	510 0096 84BP
Jardine Brook	BR	23	339	7 797	bs	Bracke 1982	2 400	55 000	510 0097 84BP
McDonald Bk.	PP	39	320	12 480	bs	C.H. 1983	2 531	99 000	510 0098 84BP
McDonald Bk.	PP	47	304	14 288	bs	D.T. 1983	1 925	90 000	510 0099 84BP
McDonald Bk.	PP	39	320	12 480	bs	D.T. 1983	2 000	78 000	
Portage Brook	PP	27	304	8 208	bs	D.T. 1983	1 977	53 000	510 0100 84BP
Portage Brook	PP	43	304	12 920	bs	Bracke 1982	1 900	82 000	510 0101 84BP
Portage Brook	PP	2	320	640	bs	D.T. 1983	2 350	5 000	510 0102 84BP
Portage Brook	BR	2	339	678	bs	Bracke 1982	2 000	4 000	510 0103 84BP
Portage Brook	PP	1	320	320	bs	Bracke 1982	2 000	2 000	510 0104 84BP
Six Mile Brook	PP	53	320	16 960	bs	D.T. 1983	2 490	132 000	110 0135 84BP
Six Mile Brook	PP	39	304	11 856	bs	D.T. 1983	1 853	72 000	110 0136 84BP
Six Mile Brook	PP	15	320	4 800	bs	D.T. 1983	2 222	33 000	110 0137 84BP
Six Mile Brook	PP	23	320	7 360	bs	D.T. 1983	2 159	50 000	110 0138 84BP
Tom Pond	PP	10	320	3 296	bs	D.T. 1983	2 550	26 000	510 0109 84BP
Portage Brook	BR	2	322	644	bs	Bracke 1982	1 900	4 000	510 0110 84BP
Portage Brook	BR	10	304	3 010	bs	Bracke 1982	1 900	19 000	510 0111 84BP
McDonald Bk.	PP	11	304	3 344	bs	C.H. 1983	2 000	22 000	510 0112 84BP
West Union Bk.	PP	67	279	18 653	bs	D.T. 1982	1 800	121 000	510 0113 84BP
McDonald Bk.	PP	163	320	52 224	bs	C.H. 1983	2 358	385 000	510 0114 84BP
R.H. BR Belong Bk.	PP	20	320	6 592	bs	D.T. 1983	2 194	45 000	510 0115 84BP

TABLE X-1 - PLANTING (Cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE- MENT TO LICENSEE	SPECIES	SCARIFICATION*	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Purvis Bk.	PP	33	320	10 560	bs	D.T. 1983	2 100	69 000	510 0116 84BP
Purvis Bk.	PP	14	279	3 870	bs	D.T. 1983	2 000	28 000	510 0117 84BP
N. Br. Gounamitz	PP	7	279	1 949	bs	D.T. 1982	1 792	13 000	510 0118 84BP
Tom Pond	PP	88	320	28 000	bs	D.T. 1983	2 350	21 000	510 0119 84BP
Tom Pond	PP	31	320	9 920	bs	D.T. 1983	2 000	62 000	510 0120 84BP
Tom Pond	PP	65	320	20 800	bs	D.T. 1983	2 375	154 000	510 0121 84BP
Purvis Brook	PP	31	320	9 920	bs	D.T. 1983	2 096	65 000	510 0122 84BP
Purvis Bk.	PP	9	304	2 736	bs	C.H. 1983	2 850	26 000	510 0123 84BP
Purvis Bk.	PP	22	320	6 944	bs	C.H. 1983	2 300	51 000	510 0124 84BP
Purvis Bk.	PP	5	320	1 632	bs	C.H. 1983	2 594	13 000	510 0125 84BP
R. Hand Brook	PP	22	320	7 072	bs	C.H. 1983	2 556	56 000	510 0126 84BP
Purvis Bk.	PP	32	320	10 208	bs	C.H. 1983	2 400	77 000	510 0127 84BP
Purvis Bk.	PP	30	320	9 600	bs	C.H. 1983	2 563	77 000	510 0128 84BP
Caribou Bk.	PP	19	278	5 095	bs	Not Scarified	1 850	35 000	510 0129 84BP
McKeen Bk.	PP	165	320	52 704	bs	C.H. 1983	2 417	398 000	P-5004-84
McKeen Bk.	PP	89	320	28 675	bs	C.H. 1983	2 500	224 000	P-5005-84
McKeen Bk.	PP	19	320	6 080	bs	C.H. 1983	2 000	38 000	P-5007-84
SUMMARY	1	549	\$312	\$483 936			2 073	3 211 000	

* D.T. - Disc Trencher
C.H. - C & H Plow

TABLE X-2 PRE-COMMERICAL THINNING

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Narrows Bk.	Pre-commercial	18	346	6 148	510 0032 848T
Falls Brook	Pre-commercial	8	461	3 577	510 0033 848T
Falls Brook	Pre-commercial	31	629	19 631	510 0034 848T
Falls Brook	Pre-commercial	18	629	11 303	510 0035 848T
Cyr Brook	Pre-commercial	21	461	9 510	510 0036 848T
Falls Brook	Pre-commercial	12	346	4 104	510 0037 848T
Falls Brook	Pre-commercial	20	629	12 303	510 0038 848T
Balm of Gilead	Pre-commercial	13	346	4 629	510 0039 848T
States Bk.	Pre-commercial	33	461	15 213	510 0040 848T
Tom Pond	Pre-commercial	49	346	16 861	510 0041 848T
Boundary Lk. Bk.	Pre-commercial	37	346	12 968	510 0042 848T
Dave Richards	Pre-commercial	57	461	26 475	510 0043 848T
Balm Gilead Bk.	Pre-commercial	12	346	4 245	510 0044 848T
Boundary Lk.	Pre-commercial	46	461	21 335	510 0045 848T
Boundary Lk. *	Pre-commercial	26	-	-	510 0046 848T
Cyr Brook *	Pre-commercial	13	-	-	510 0052 848T
Cyr Brook *	Pre-commercial	29	-	-	510 0053 848T
Cyr Brook *	Pre-commercial	14	-	-	510 0054 848T
Cyr Brook *	Pre-commercial	6	-	-	510 0055 848T
Balm of Gilead *	Pre-commercial	4	-	-	510 0062 848T
Narrows Brook	Pre-commercial	55	461	25 383	510 0064 848T
Letourneau Bk. *	Pre-commercial	10	-	-	510 0066 848T
Bubar Bk.	Pre-commercial	41	461	19 030	510 5002 848T
Bubar Bk.	Pre-commercial	11	346	3 868	510 5003 848T
Bubar Bk.	Pre-commercial	7	346	2 284	510 5004 848T
Bubar Bk.	Pre-commercial	2	266	492	510 5005 848T
Bubar Bk.	Pre-commercial	6	461	2 835	510 5006 848T
Bubar Bk.	Pre-commercial	12	461	5 348	510 5007 848T
Bubar Bk.	Pre-commercial	3	346	1 010	510 5008 848T
Bubar Bk.	Pre-commercial	3	461	1 452	510 5009 848T
Bubar Bk.	Pre-commercial	29	629	18 228	510 5010 848T
Bubar Bk.	Pre-commercial	5	266	1 192	510 5011 848T

TABLE X-2 PRE-COMMERICAL THINNING (Cont'd)

LOCATION	TYPE	AREA (ha)	COST/HA	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Bubar Bk.	Pre-commercial	18	346	6 366	510 5012 84BT
Bubar Bk.	Pre-commercial	49	629	30 921	510 5013 84BT
SUMMARY		718	\$465+	\$286 711	

* Areas done by D.N.R. therefore no reimbursement to Licensees or Costs per hectare.
 + D.N.R. areas not used in determining average cost per hectare.

TABLE X-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Restigouche R.	Plantation Tending	101	135	13 654	Round-up	4.64	(510 0190 848H (510 0191 848H (510 0192 848H (510 0193 848H (510 0194 848H (510 0195 848H (510 0196 848H
Restigouche R.	Plantation Tending	261	135	35 214	Round-up	4.64	(510 0197 848H (510 0198 848H (510 0199 848H (510 0200 848H (510 0201 848H (510 0202 848H (510 0203 848H
MacFar. Airstrip	Plantation Tending	19	133	2 533	Round-up	4.48	510 0204 848H
MacFar. Airstrip	Plantation Tending	30	133	4 000	Round-up	4.48	510 0205 848H
MacFar. Airstrip	Plantation Tending	34	133	4 480	Round-up	4.48	510 0206 848H
MacFar. Airstrip	Plantation Tending	52	133	6 959	Round-up	4.48	510 0207 848H
Green River	Plantation Tending	29	156	4 545	Round-up	5.59	510 0208 848H
Green River	Plantation Tending	29	156	4 608	Round-up	5.59	510 0209 848H
Green River	Plantation Tending	8	156	1 296	Round-up	5.59	510 0210 848H
Green River	Plantation Tending	5	156	781	Round-up	5.59	510 0211 848H
Luntz Brook	Plantation Tending	11	143	1 555	Round-up	4.92	510 0213 848H
Luntz Brook	Plantation Tending	25	143	3 637	Round-up	4.92	510 0214 848H
Luntz Brook	Plantation Tending	22	143	3 109	Round-up	4.92	510 0215 848H
Luntz Brook	Plantation Tending	6	143	870	Round-up	4.92	510 0216 848H
Luntz Brook	Plantation Tending	8	143	1 155	Round-up	4.92	510 0217 848H
Luntz Brook	Plantation Tending	13	143	1 840	Round-up	4.92	510 0218 848H
Big Cedar Brook	Plantation Tending	100	126	12 584	Round-up	4.19	510 0219 848H (510 0220 848H
Summit Depot	Plantation Tending	45	126	5 654	Round-up	4.22	(510 0221 848H (510 0222 848H (510 0223 848H

TABLE X-3 - HERBICIDING (Cont'd)

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Summit Depot	Plantation Tending	2	126	251	Round-up	4.22	510 0224 848H
Summit Depot	Plantation Tending	14	126	1 734	Round-up	4.22	510 0225 848H
Summit Depot	Plantation Tending	7	126	917	Round-up	4.22	510 0226 848H
Summit Depot	Plantation Tending	51	126	6 408	Round-up	4.22	510 0227 848H
Summit Depot	Plantation Tending	24	126	3 053	Round-up	4.22	510 0228 848H
Summit Depot	Plantation Tending	12	126	1 571	Round-up	4.22	510 0229 848H
Summit Depot	Plantation Tending	19	126	2 438	Round-up	4.22	510 0230 848H
Summit Depot	Plantation Tending	29	126	3 656	Round-up	4.22	510 0231 848H
Summit Depot	Plantation Tending	44	126	5 591	Round-up	4.22	510 0232 848H
Union Brook	Plantation Tending	73	146	10 630	Round-up	5.08	510 0233 848H
Union Brook	Plantation Tending	13	146	1 884	Round-up	5.08	510 0234 848H
Union Brook	Plantation Tending	53	146	7 680	Round-up	5.08	510 0235 848H
Union Brook	Plantation Tending	1	157	157	Round-up	5.56	510 0236 848H
Union Brook	Plantation Tending	2	157	282	Round-up	5.56	510 0237 848H
Union Brook	Site Preparation	5	157	814	Round-up	5.56	510 0238 848H
Union Brook	Site Preparation	3	157	438	Round-up	5.56	510 0239 848H
Union Brook	Plantation Tending	2	157	313	Round-up	5.56	510 0240 848H
Union Brook	Site Preparation	3	157	470	Round-up	5.56	510 0242 848H
Union Brook	Plantation Tending	25	157	3 960	Round-up	5.56	510 0243 848H
Union Brook	Plantation Tending	23	157	3 600	Round-up	5.56	510 0244 848H
Union Brook	Plantation Tending	10	157	1 581	Round-up	5.56	510 0245 848H
Union Brook	Plantation Tending	2	157	313	Round-up	5.56	510 0246 848H
Union Brook	Plantation Tending	15	146	2 117	Round-up	5.08	510 0247 848H
Union Brook	Plantation Tending	44	146	6 439	Round-up	5.08	510 0248 848H
Union Brook	Plantation Tending	16	146	2 307	Round-up	5.08	510 0249 848H
Union Brook	Plantation Tending	12	146	1 767	Round-up	5.08	510 0250 848H
Union Brook	Plantation Tending	91	146	13 287	Round-up	5.08	510 0251 848H
Couturier Bk.	Plantation Tending	131	129	16 924	Round-up	4.35	510 0252 848H
Couturier Bk.	Plantation Tending	44	129	5 624	Round-up	4.35	510 0253 848H
Couturier Bk.	Plantation Tending	42	129	5 367	Round-up	4.35	(510 0300 848H 510 0254 848H

TABLE X-3 - HERBICIDING (Cont'd)

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Couturier Bk.	Plantation Tending	41	129	5 212	Round-up	4.35	510 0255 848H
Couturier Bk.	Plantation Tending	36	129	4 582	Round-up	4.35	510 0256 848H
Couturier Bk.	Plantation Tending	33	129	4 311	Round-up	4.35	510 0257 848H
Couturier Bk.	Plantation Tending	42	129	5 367	Round-up	4.35	510 0258 848H
Couturier Bk.	Plantation Tending	121	129	15 624	Round-up	4.35	510 0259 848H
Couturier Bk.	Plantation Tending	6	129	785	Round-up	4.35	510 0260 848H
Couturier Bk.	Plantation Tending	198	129	25 521	Round-up	4.35	510 0261 848H
Couturier Bk.	Plantation Tending	38	129	4 891	Round-up	4.35	(510 0262 848H 510 0263 848H)
Couturier Bk.	Plantation Tending	14	129	1 828	Round-up	4.35	510 0264 848H
Couturier Bk.	Plantation Tending	6	129	824	Round-up	4.35	510 0265 848H
Couturier Bk.	Plantation Tending	22	129	2 806	Round-up	4.35	510 0266 848H
Couturier Bk.	Plantation Tending	34	129	4 324	Round-up	4.35	(510 0268 848H 510 0269 848H 510 0270 848H)
Couturier Bk.	Plantation Tending	58	129	7 452	Round-up	4.35	510 0271 848H
Couturier Bk.	Plantation Tending	15	129	1 879	Round-up	4.35	510 0272 848H
Couturier Bk.	Plantation Tending	29	129	3 745	Round-up	4.35	BS 017 82
Couturier Bk.	Plantation Tending	56	129	7 233	Round-up	4.35	510 0274 848H
Couturier Bk.	Plantation Tending	42	129	5 354	Round-up	4.35	510 0275 848H
Couturier Bk.	Plantation Tending	91	129	11 660	Round-up	4.35	510 0276 848H
Couturier Bk.	Plantation Tending	9	129	1 197	Round-up	4.35	510 0277 848H
Couturier Bk.	Plantation Tending	11	129	1 454	Round-up	4.35	510 0278 848H
Couturier Bk.	Plantation Tending	5	129	618	Round-up	4.35	510 0279 848H
Couturier Bk.	Plantation Tending	8	129	991	Round-up	4.35	510 0281 848H
Couturier Bk.	Plantation Tending	7	129	927	Round-up	4.35	510 0282 848H
Couturier Bk.	Plantation Tending	5	129	618	Round-up	4.35	510 0283 838H
Couturier Bk.	Plantation Tending	57	129	7 400	Round-up	4.35	510 0284 848H
Couturier Bk.	Plantation Tending	12	129	1 506	Round-up	4.35	510 0285 848H
Couturier Bk.	Plantation Tending	7	129	888	Round-up	4.35	510 0286 848H
Couturier Bk.	Plantation Tending	15	129	1 931	Round-up	4.35	510 0287 848H
Couturier Bk.	Plantation Tending	137	129	17 606	Round-up	4.35	(510 0288 848H 510 0289 848H)
Couturier Bk.	Plantation Tending	139	129	17 864	Round-up	4.35	510 0290 848H

TABLE X-3 - HERBICIDING (Cont'd)

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE L/ha	SILVICULTURE TREATMENT NUMBER
Couturier Bk.	Plantation Tending	63	129	8 069	Round-up	4.35	(510 0291 84BH (510 0299 84BH
Couturier Bk.	Plantation Tending	20	129	2 600	Round-up	4.35	510 0292 84BH
Couturier Bk.	Plantation Tending	101	161	16 324	Round-up	5.84	510 0293 84BH
Couturier Bk.	Plantation Tending	112	161	18 082	Round-up	5.84	510 0294 84BH
Couturier Bk.	Plantation Tending	95	161	15 340	Round-up	5.84	510 0295 84BH (510 0296 84BH
Couturier Bk.	Plantation Tending	45	129	5 779	Round-up	4.35	(510 0297 84BH (510 0298 84BH
Couturier Bk.	Plantation Tending	4	129	515	Round-up	4.35	BS 01882
Cyr Bk.	Natural Release	10	143	1 391	Round-up	4.82	510 0302 84BH
Cyr Bk.	Natural Release	12	143	1 736	Round-up	4.82	510 0303 84BH
Serpentine Lk.	Plantation Tending	200	149	29 701	Round-up	5.25	(510 5001 84BH (510 5002 84BH (510 5003 84BH

SUMMARY 3 586 \$136 \$489 143

TABLE X-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (Litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Big Cedar Brook	bs	1 750	1.10	1 920	510 0001 84SC
Richard Brook	ws	12 070	0.65	7 904	510 0016 84SC
Ste Anne	tl	730	2.70	1 971	510 0017 84SC*
Five Fingers Bk	tl	9 290	2.70	25 087	510 0018 84SC*
SUMMARY		23 840	\$1.55	\$36 882	

* Cone collection occurred on freehold land

TABLE 7
SEEDLINGS SHIPPED FOR PLANTING ON CROWN LAND 84-85

LICENSE	NO. OF TREES* BR	%	CONT	% jP		% bS		% wS		% OTHER	
				BR	CONT	BR	CONT	BR	CONT	BR	CONT
Upsalquitch	2 756	-	100.0	-	27.0	27.0	73.0	-	-	-	-
Nepisiquit	2 817	-	100.0	-	51.0	51.0	45.3	-	-	-	3.7
Lower Miramichi	2 933	0.4	99.6	-	72.1	72.1	27.5	-	-	0.4	0.4
Upper Miramichi	5 177	-	100.0	-	71.9	71.9	28.1	-	-	-	-
Kent	384	-	100.0	-	70.6	70.6	29.4	-	-	-	-
Queens-Charlotte+	7 725	9.3	90.7	3.2	58.3	61.5	27.7	-	-	0.1	4.7
Fundy	1 655	7.1	92.9	-	19.0	19.0	73.9	4.7	-	-	-
York	1 365	-	100.0	-	24.4	24.4	75.6	-	-	-	-
Restigouche-Tobique	4 079	-	-	-	-	10.4	89.5	99.9	-	-	0.1
TOTAL	28 891*	5.3	94.7	0.9	46.5	47.4	3.2	47.4	50.6	0.3	1.6
											1.7

* Thousands

+ Queens-Charlotte and Fundy have been grouped together because the information given about "trees shipped" has been listed by licensee, and Q-C and Fundy are both Irving and there is nothing to determine which is Q-C and which is Fundy.

• Includes 750,000 from Irving

There were also 1 472 035 trees shipped for private orders that have not been included in the total

TABLE 8
SEEDLINGS SHIPPED BY NURSERY FOR PLANTING ON CROWN LAND
Figures in Thousands

NURSERY	JP		bS		WS		Others		Total		BOTH
	BR	CONT	BR	CONT	BR	CONT	BR	CONT	BR	CONT	
Kingsclear	100	5 450	927	6 660	78	-	23	96	1 128	12 206	13 334
Madran	-	4 138	-	4 007	-	-	-	105	-	8 250	8 250
Kent	-	3 249	-	3 037	-	-	-	270	-	6 556	6 556
TOTAL	100	12 837	927	13 704	78	-	23	471	1 128	27 012	28 140

TABLE 9
SUMMARY OF REFORESTATION PROJECTS 1962-1984

YEAR	PLANTED TREES*	(ha)	SCARIFIED (ha)	CONTROLLED BURN (ha)	PRE- COMMERCIAL	THINNED (ha)	PLAN- TATION TENDING (ha)	SEEDED (ha)	CONES (ha)	HERBI- CIDED (ha)	CUTOVER CLEARED (ha)
1962	16	7	-	-	-	34	-	-	-	-	-
1963	41	33	2	-	3	34	-	-	-	-	-
1964	258	155	Experiments	-	-	233	-	-	-	-	-
1965	279	225	12	-	32	35	-	-	-	2	-
1966	547	223	73	-	35	18	-	-	-	-	-
1967	622	375	478	-	-	-	-	8	-	-	-
1968	1 957	1 120	834	-	-	101	-	2	-	1	-
1969	1 994	1 140	235	-	449	-	-	101	6 500	61	-
1970	1 983	991	575	-	-	-	-	12	16 700	1	-
1971	2 350	1 630	660	-	-	-	-	49	29 100	61	-
1972	1 356	809	854	-	26	-	-	142	137 000	-	-
1973	1 700	1 010	822	-	-	-	-	121	63 600	162	-
1974	2 684	1 470	2 590	186	324	-	-	384	68 700	109	453
1975	6 310	3 040	5 140	380	336	8	-	125	68 700	777	-
1976	10 515	4 910	6 750	445	546	-	-	550	68 700	652	-
1977	13 906	6 630	8 790	421	380	-	-	393	29 100	1 220	1 430
1978	14 420	7 040	9 000	1 170	587	-	-	-	64 700	990	490
1979	23 220	11 200	10 300	1 530	2 446	-	-	-	5 150	5 480	1 320
1980	26 570	10 900	12 100	1 770	2 780	-	-	-	43 600	5 480	710
1981	28 610	11 490	11 730	2 500	3 030	-	-	-	14 400	5 100	40
1982	27 160	12 610	10 380	425	3 450	-	400	180	83 830	5 876	-
1983	20 311	9 120	8 645	-	2 406	-	488	-	16 623	5 946	-
1984	26 142	12 102	Not Applicable	-	3 073	-	-	-	72 640	9 946	-

* Thousands

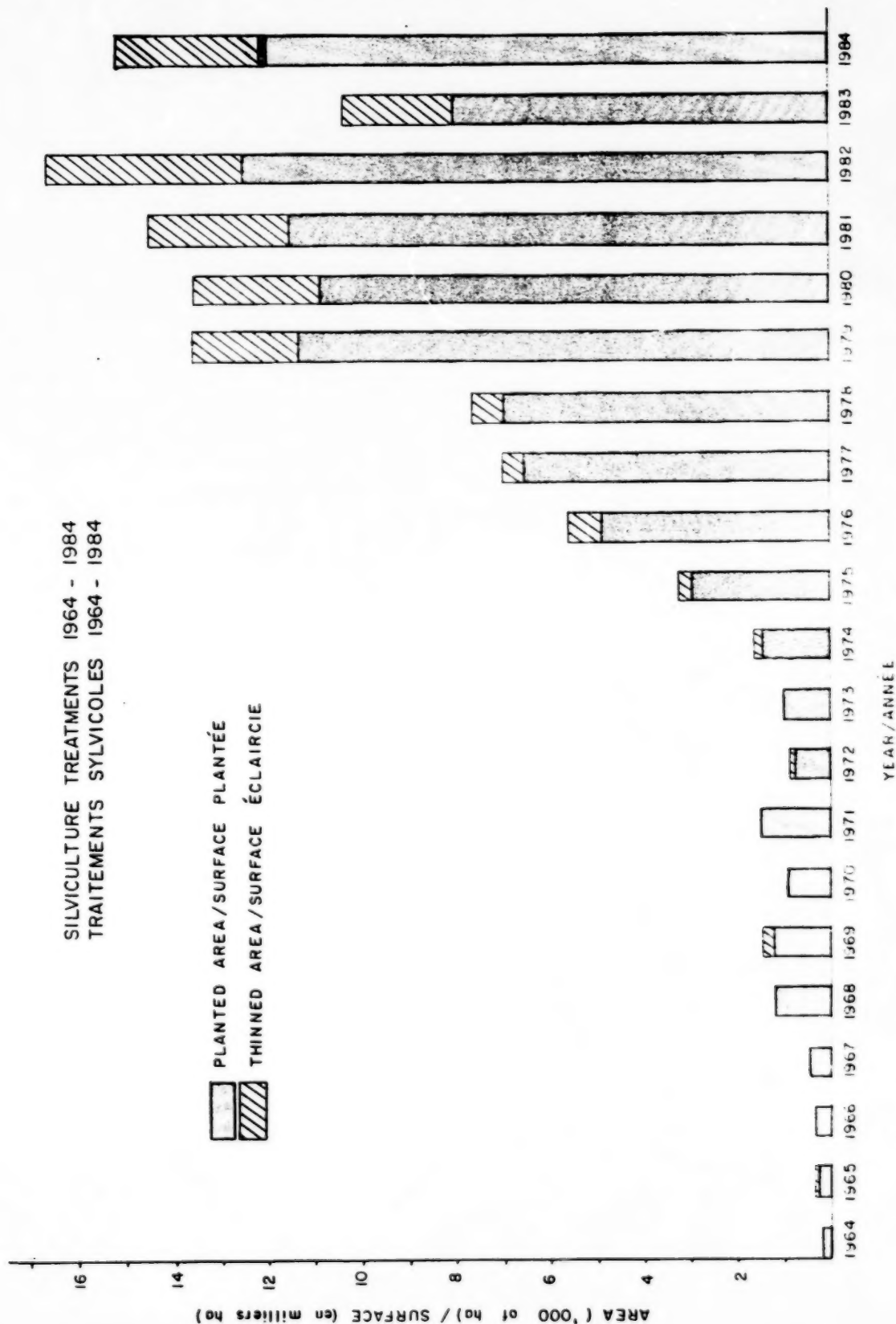


Figure 1 Progress of Reforestation on Crown Lands in New Brunswick. 1964-1984

Figure 1 Progres de reboisement sur les terres de la Couronne du Nouveau-Brunswick. 1964-1984

FIGURE 2

**LICENSE BOUNDARIES
PROVINCE OF NEW BRUNSWICK**



**LIGNES DE DÉMARCATIION DES CONCESSIONS
PROVINCE DU NOUVEAU-BRUNSWICK**